

# ISO/TS 19150-1:2012-11 (E)

## Geographic information - Ontology - Part 1: Framework

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Conformance .....	1
3	Normative references .....	1
4	Terms and definitions .....	1
5	Symbols and abbreviated terms .....	3
6	Ontology in geographic information .....	4
6.1	Introduction .....	4
6.2	Values of ontologies .....	4
6.3	Issues of relevance .....	5
7	Framework .....	5
7.1	Overview of the framework .....	5
7.2	Rules for developing ontologies in the Web Ontology Language .....	7
7.3	Semantic operators .....	7
7.4	Service ontology .....	7
7.5	Domain ontology registry .....	9
7.6	Service ontology registry .....	9
7.7	Harmonized ontologies .....	9
7.8	Framework package dependencies .....	9
Annex A (normative)	Abstract test suite .....	10
Annex B (informative)	Background information on ontologies .....	16
Annex C (informative)	Ontology matching .....	27
Bibliography .....		29